

H-index ranking of living chemists

This list of living chemists has been compiled by Henry Schaefer, of the University of Georgia, US, together with colleague Amy Peterson. The pair assessed the h-index of around 2000 chemists; this list includes those with a score greater than 50.

The h-index was devised by physicist Jorge Hirsch in 2005 to measure research impact. A scientist's h-index is the highest number of papers they have published which have each amassed at least that number of citations: E J Corey, with an h of 132, has published 132 papers which have each received at least 132 citations, for example.

A full *Chemistry World* news story on the list first appeared here:

www.rsc.org/chemistryworld/News/2007/April/23040701.asp

And in the May 2007 edition of *Chemistry World* magazine.

The list was updated on 23 May 2007.

To make enquiries about the list – which is a work in progress – please contact Amy Peterson at amyccqc@uga.edu

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denotes Nobel Laureate

Rank	Name	h-index	Field
1	Corey, E. J.#	132	Organic
2	Whitesides, G. M.	131	Organic
3	Karplus, M.	127	Theoretical
4	Wüthrich, K.#	113	Bio
5	Heeger, A. J.#	112	Organic
6	Bax, A.	111	Bio
6	Hoffmann, R.#	111	Theoretical
8	Lehn, J. M. #	105	Organic
8	Scheraga, H. A.	105	Bio
10	Bard, A. J.	104	Analytical
10	Schleyer, P. R.	104	Organic
12	Schreiber, S. L.	99	Bio
13	Fersht, A. R.	98	Bio
13	Khorana, H. G.#	98	Bio
15	Gratzel, M.	97	Physical
16	Zare, R. N.	96	Physical
17	Clore, G. M.	95	Bio
17	Lippard, S. J.	95	Inorganic
17	Trost, B. M.	95	Organic
20	Gray, H. B.	93	Inorganic

20	Marks, T. J.	93	Inorganic
20	Seebach, D.	93	Organic
23	Evans, D. A.	92	Organic
23	Meyer, T. J.	92	Inorganic
23	Noyori, R.#	92	Organic
23	Schaefer, H. F.	92	Theoretical
27	Ibers, J. A.	91	Inorganic
27	Truhlar, D. G.	91	Theoretical
29	Djerassi, C.	90	Organic
29	Somorjai, G.A.	90	Physical
31	Jortner, J.	89	Theoretical
31	McConnell, H. M.	89	Bio
31	Nicolau, K. C.	89	Organic
31	Sharpless, K.B.#	89	Organic
35	Ingold, K. U.	88	Organic
35	Lerner, R. A.	88	Bio
37	Grubbs, R. H.#	87	Inorganic
37	Holm, R. H.	87	Inorganic
37	Lipscomb, W. N.#	87	Inorganic
37	Murray, R. W.	87	Analytical
37	Dobson, C. M.	86	Bio
42	Goddard, W. A.	85	Theoretical
42	Schrock, R. R.#	85	Inorganic
44	Breslow, R.	84	Organic
44	Frechet, J. M.	84	Organic
44	Houk, K. N.	84	Theoretical
44	Mann, M.	84	Analytical
44	Marcus, R. A.#	84	Theoretical
44	Miller, W. H.	84	Theoretical
50	Bartlett, R. J.	83	Theoretical
50	Ernst, R. R.#	83	Physical
50	Roberts, J. D.	83	Organic
50	Stucky, G. D.	83	Inorganic
54	Warshal, A.	82	Theoretical
55	Olah, G.A.#	81	Organic
55	Rice, S. A.	81	Theoretical
57	Clementi, E.	80	Theoretical
57	Kochi, J. C.	80	Organic
57	Saveant, J. M.	80	Analytical
57	Wrighton, M. S.	80	Inorganic
61	Goodenough, J. B.	79	Physical
61	McLafferty, F. W.	79	Analytical
61	Zewail, A.#	79	Physical

64	Collman, J. P.	78	Inorganic
64	Crothers, D. M.	78	Bio
64	Thomas, J. M.	78	Physical
64	Turro, N. J.	78	Organic
64	Wiberg, K. B.	78	Organic
69	Dunitz, J.	77	Organic
69	Yates, J. T.	77	Physical
71	Bredas, J. L.	76	Theoretical
71	Cava, R. J.	76	Inorganic
71	Chandler, D.	76	Theoretical
71	Lee, Y. T.#	76	Physical
71	Radom, L.	76	Theoretical
71	Rao, C. N. R.	76	Inorganic
71	Shirley, D. A.	76	Physical
71	Williams, D. H.	76	Organic
79	Atwood, J. L.	75	Inorganic
79	Buchwald, S. L.	75	Organic
79	Fleming, G. R.	75	Physical
79	Herrmann, W. A.	75	Inorganic
79	Lappert, M. F.	75	Inorganic
79	Que, L.	75	Bio
79	Schulz, P. G.	75	Bio
79	Stork, G.	75	Organic
87	Balzani, V.	74	Inorganic
87	Hendrickson, D. N.	74	Inorganic
87	Huisgen, R.	74	Organic
87	Lewis, J.	74	Inorganic
87	Morokuma, K.	74	Theoretical
87	Schwarz, H.	74	Physical
87	Wong, C. H.	74	Organic
87	Wudl, F.	74	Organic
95	Dervan, P. B.	73	Bio
95	Diederich, F.	73	Organic
95	Grant, D. M.	73	Organic
95	Henglein, A.	73	Physical
95	Jorgensen, W. L.	73	Theoretical
95	Katritzky, A.	73	Organic
95	Kay, L. E.	73	Bio
95	Lieber, C. M.	73	Physical
95	Ringsdorf, H.	73	Bio
95	Sauvage, J. P.	73	Inorganic
95	Shinkai, S.	73	Organic
95	Stoddart, J. F.	73	Organic

95	Tinoco, I.	73	Bio
108	Atkinson, R.	72	Physical
108	Bauschlicher, C. W.	72	Theoretical
108	Bunnett, J. F.	72	Organic
108	Crutzen, P. J.#	72	Physical
108	Dahl, L. F.	72	Inorganic
108	Klein, M. L.	72	Theoretical
108	Paul, D. R.	72	Physical
115	Handy, N. C.	71	Theoretical
115	Hochstrasser, R. M.	71	Physical
115	Oesterhelt, D.	71	Bio
115	Parrinello, M.	71	Theoretical
115	Reingold, A. L.	71	Inorganic
120	Allinger, N. L.	70	Theoretical
120	Benkovic, S. J.	70	Organic
120	Bruice, T. C.	70	Bio
120	Cooks, R. G.	70	Analytical
120	Curran, D. P.	70	Organic
120	Haddon, R. C.	70	Organic
120	Hehre, W. J.	70	Theoretical
120	Ibach, H.	70	Physical
120	Klemperer, W.	70	Physical
120	Matyjaszewski, K.	70	Inorganic
120	Nakanishi, K.	70	Organic
120	Shank, C. V.	70	Physical
120	Smith, R. D.	70	Analytical
120	Soloman, E. A.	70	Inorganic
120	Spiro, T. G.	70	Inorganic
120	Stone, F. G. A.	70	Inorganic
120	Ziegler, T.	70	Theoretical
137	Abraham, M. H.	69	Physical
137	Barton, J. K.	69	Bio
137	Bercaw, J. E.	69	Inorganic
137	Churchill, M. R.	69	Inorganic
137	Davidson, E. R.	69	Theoretical
137	Kebarle, P.	69	Physical
137	Raghavachari, K.	69	Theoretical
137	Reinholdt, D. N.	69	Organic
145	Anson, F. C.	68	Analytical
145	Beauchamp, J. L.	68	Physical
145	Bell, A. T.	68	Physical
145	DelGrado, W. F.	68	Bio
145	Eliel, E. A.	68	Organic

145	Green, M. L. H.	68	Inorganic
145	Griffin, R. G.	68	Physical
145	Klibanov, A. M.	68	Bio
145	Maddix, R. J.	68	Physical
145	Mathies, R. A.	68	Bio
145	Mukaiyama, T.	68	Organic
145	Prausnitz, J. M.	68	Theoretical
157	Bates, F. S.	67	Physical
157	Bergman, R. G.	67	Inorganic
157	Hoffman, B. M.	67	Inorganic
157	Huffman, J. C.	67	Inorganic
157	Hynes, J. T.	67	Theoretical
157	Kessler, H.	67	Organic
157	Mukamel, S.	67	Theoretical
157	Troe, J.	67	Physical
157	McCammon, J. A.	67	Theoretical
157	Witkop, B.	67	Bio
157	Wolynes, P. G.	67	Theoretical
168	Avouris, P.	66	Physical
168	Berne, B. J.	66	Theoretical
168	Biemann, K.	66	Analytical
168	Fetters, L. J.	66	Physical
168	Freeman, R.	66	Physical
168	Johnson, B. F. G.	66	Inorganic
168	Lindman, B.	66	Physical
168	Parr, R. G.	66	Theoretical
168	Saenger, W.	66	Bio
168	Sutin, N.	66	Inorganic
178	Calabrese, J. C.	65	Inorganic
178	Corma, A.	65	Physical
178	Crabtree, R. H.	65	Inorganic
178	Gatteschi, D.	65	Inorganic
178	Halpern, J.	65	Inorganic
178	Hawker, C. J.	65	Organic
178	King, R. B.	65	Inorganic
178	Lemieux, R. U.	65	Organic
178	Lineberger, W. C.	65	Physical
178	Martin, C. R.	65	Analytical
178	Ratner, M. A.	65	Theoretical
178	Williams, J. M.	65	Inorganic
190	Bader, R. F. W.	64	Theoretical
190	Baerends, E. J.	64	Theoretical
190	Brauman, J. I.	64	Organic

190	Gordon, M. S.	64	Theoretical
190	Izatt, R. M.	64	Organic
190	Jacobsen, E. N.	64	Organic
190	Lunsford, J. H.	64	Physical
190	Moore, C. B.	64	Physical
190	Schatz, G. C.	64	Theoretical
190	Toennies, J. P.	64	Physical
190	West, R.	64	Inorganic
190	Williams, D. J.	64	Organic
190	White, A. H.	64	Inorganic
203	Benson, S. W.	63	Physical
203	Buckingham, A. D.	63	Theoretical
203	Buenker, R. J.	63	Theoretical
203	Freed, K. F.	63	Theoretical
203	Goodman, D. W.	63	Physical
203	Hearst, J. E.	63	Bio
203	Menzel, D.	63	Physical
203	Müllen, K.	63	Organic
203	Oldfield, E.	63	Physical
203	Pearson, R. G.	63	Inorganic
203	Peyerimhoff, S. D.	63	Theoretical
203	Pines, A.	63	Physical
203	Pitts, J. N.	63	Physical
203	Raymond, K. N.	63	Inorganic
203	Reetz, M. T.	63	Organic
203	Rinehart, K. L.	63	Analytical
203	Roos, B.	63	Theoretical
203	Sykes, B. D.	63	Bio
203	Walling, C.	63	Organic
203	White, J. M.	63	Physical
223	Alivisatos, A. P.	62	Physical
223	Cederbaum, L. S.	62	Theoretical
223	Danishefsky, S. J.	62	Organic
223	Dill, K. A.	62	Theoretical
223	Groves, J. T.	62	Bio
223	Hamilton, A. D.	62	Organic
223	Hodgson, K. D.	62	Inorganic
223	Kagan, H. B.	62	Inorganic
223	Katzenellenbogen, J. A.	62	Bio
223	Kishi, Y.	62	Organic
223	Kroto, H#	62	Physical
223	Ozin, G. A.	62	Physical
223	Raveau, B.	62	Physical

223	Reedijk, J.	62	Inorganic
223	Saykally, R. J.	62	Physical
223	Schlegel, H. B.	62	Theoretical
223	Shibasaki, M.	62	Organic
223	van Koten, G.	62	Inorganic
241	Ahlrichs, R.	61	Theoretical
241	Armstrong, D. W.	61	Analytical
241	Baldwin, J. E.	61	Organic
241	Bowers, M. T.	61	Physical
241	Busch, D. H.	61	Inorganic
241	Case, D. A.	61	Theoretical
241	Catlow, C. R. A.	61	Inorganic
241	Evans, W. J.	61	Inorganic
241	Kruger, C.	61	Inorganic
241	La Mar, G. N.	61	Physical
241	Meyers, A. I.	61	Organic
241	Newton, M. D.	61	Theoretical
241	Polanyi, J.C.#	61	Physical
241	Rebek, J.	61	Organic
241	Reed, C. A.	61	Inorganic
241	Schulten, K.	61	Theoretical
241	Siegbahn, P.	61	Theoretical
241	Spiess, H. W.	61	Physical
259	Balch, A. L.	60	Inorganic
259	Casey, C. P.	60	Inorganic
259	Fischer, E. O.#	60	Inorganic
259	Freed, J. H.	60	Physical
259	Gubbins, K. E.	60	Theoretical
259	Levine, R. D.	60	Theoretical
259	Maciel, G. E.	60	Physical
259	Paquette, L.	60	Organic
259	Sessler, J. L.	60	Inorganic
259	Seyferth, D.	60	Inorganic
259	Spek, A. L.	60	Inorganic
259	Terabe, S.	60	Analytical
259	Zubieta, J.	60	Inorganic
272	Bockris, J. O.	59	Physical
272	Boudart, M.	59	Physical
272	Castleman, A. W.	59	Physical
272	Doering, W. v. E.	59	Organic
272	Dunning, T. H.	59	Theoretical
272	Frankel, D.	59	Theoretical
272	Herschbach, D. R.#	59	Physical

272	Jerome, R.	59	Physical
272	Knowles, J. R.	59	Bio
272	Kohn, W.#	59	Theoretical
272	Meijer, E. W.	59	Organic
272	Michl, J.	59	Organic
272	Schlag, E. W.	59	Physical
272	Smith, A. B.	59	Organic
272	Smith, K. M.	59	Bio
272	Still, W. C.	59	Organic
272	Streitwieser, A.	59	Organic
272	Tannenbaum, S. R.	59	Bio
272	Werner, H. J.	59	Theoretical
272	Wilner, I.	59	Physical
292	Andrews, L.	58	Physical
292	Barbara, P. F.	58	Physical
292	Bartell, L. S.	58	Physical
292	Boger, D. L.	58	Organic
292	Bertini, I.	58	Inorganic
292	Brus, L. E.	58	Physical
292	Car, R.	58	Theoretical
292	Christou, G.	58	Inorganic
292	Dixon, D. A.	58	Theoretical
292	Gladysz, J. A.	58	Inorganic
292	Gross, M. L.	58	Analytical
292	King, D. A.	58	Physical
292	Mislow, K.	58	Inorganic
292	Sandoff, K.	58	Bio
292	Sargeson, A. M.	58	Inorganic
292	Stillinger, F. A.	58	Theoretical
292	Tully, J. C.	58	Theoretical
292	Valentine, J. S.	58	Bio
292	Vogel, E.	58	Organic
292	Werner, H.	58	Inorganic
292	Wieghardt, K.	58	Inorganic
313	Berendsen, H. J. C.	57	Theoretical
313	Berry, R. S.	57	Physical
313	Bruce, M. I.	57	Inorganic
313	Che, C. M.	57	Inorganic
313	Denmark, S. L.	57	Organic
313	Gouterman, M.	57	Theoretical
313	Hay, P. J.	57	Theoretical
313	Hitchcock, P. B.	57	Inorganic
313	Pulay, P.	57	Theoretical

313	Sheldrick, G. M.	57	Theoretical
313	Stillinger, F. H.	57	Theoretical
313	Zimmerman, H. E.	57	Organic
325	Aust, S. D.	56	Bio
325	Bond, A. M.	56	Analytical
325	Brookhart, M.	56	Inorganic
325	Brooks, C. L.	56	Theoretical
325	Coppens, P.	56	Physical
325	Eisenberg, R.	56	Inorganic
325	Furstner, A.	56	Organic
325	Gillespie, R. J.	56	Inorganic
325	Gokel, G. W.	56	Organic
325	Hanessian, S.	56	Organic
325	Hawthorne, M. F.	56	Inorganic
325	Heller, E. J.	56	Theoretical
325	Mallouk, T. E.	56	Inorganic
325	Marshall, J. A.	56	Organic
325	Olmstead, M. M.	56	Inorganic
325	Overman, L. E.	56	Organic
325	Pawliszyn, J.	56	Analytical
325	Power, P. P.	56	Inorganic
325	Rossky, P. J.	56	Theoretical
325	Schmidbauer, H.	56	Inorganic
325	Stang, P. J.	56	Organic
325	Tsuji, J.	56	Organic
325	van Gunsteren, W. F.	56	Theoretical
325	Vögtle, F.	56	Organic
325	Weller, H.	56	Physical
350	Boxer, S. G.	55	Physical
350	Brion, C. E.	55	Physical
350	Chisholm, M. H.	55	Inorganic
350	Clearfield, A.	55	Physical
350	Crooks, R. M.	55	Analytical
350	Eigen, M.#	55	Physical
350	Frisch, M. J.	55	Theoretical
350	Heath, J. R.	55	Physical
350	Holmes, A. B.	55	Organic
350	Howard, J. A. K.	55	Inorganic
350	Jarrold, M. F.	55	Physical
350	Kouri, D. J.	55	Theoretical
350	Lin, M. C.	55	Physical
350	Marzilli, L. G.	55	Inorganic
350	Mingos, D. N. P.	55	Inorganic

350	Paldus, J.	55	Theoretical
350	Percec, V.	55	Bio
350	Salahub, D. R.	55	Theoretical
350	Stell, G.	55	Theoretical
350	Wennerstrom, H.	55	Physical
350	Ziller, J. W.	55	Inorganic
371	Bock, H.	54	Inorganic
371	Davison, A.	54	Inorganic
371	Fox, M. A.	54	Organic
371	Garrett, B. C.	54	Theoretical
371	Gleiter, R.	54	Organic
371	Gordon, R. G.	54	Theoretical
371	Guiochon, G.	54	Analytical
371	Hammes, G. G.	54	Bio
371	Heathcock, C. H.	54	Organic
371	Hirota, E.	54	Physical
371	Hobza, P.	54	Theoretical
371	Jacox, M. E.	54	Physical
371	Jorgenson, J. W.	54	Analytical
371	Kutzelnigg, W.	54	Theoretical
371	Mirkin, C. A.	54	Bio
371	Müller, A.	54	Inorganic
371	Puddephatt, R. J.	54	Inorganic
371	Ravishankara, A. R.	54	Physical
371	Shriver, D. F.	54	Inorganic
371	Silbey, R.	54	Theoretical
371	Suslick, K. S.	54	Inorganic
371	van Santen, R. A.	54	Physical
371	Whangbo, M. H.	54	Theoretical
371	Withers, S. G.	54	Bio
395	Arnett, E.M.	53	Organic
395	Barone, V.	53	Theoretical
395	Depuy, C. H.	53	Physical
395	Doyle, M. P.	53	Organic
395	Erker, G.	53	Inorganic
395	Fayer, M. F.	53	Physical
395	Field, R. W.	53	Physical
395	Herbst, E.	53	Theoretical
395	Hercules, D. M.	53	Analytical
395	Huttner, G.	53	Inorganic
395	Ley, S. V.	53	Organic
395	Neidle, S.	53	Bio
395	Orpen, A. G.	53	Inorganic

395	Padwa, A.	53	Organic
395	Rees, D. C.	53	Bio
395	Scuseria, G. E.	53	Theoretical
395	Tour, J. M.	53	Organic
395	van Bekkum, H.	53	Physical
395	Winnik, M. A.	53	Physical
414	Baiker, A.	52	Physical
414	Bartlett, P. A.	52	Organic
414	Curl, R. F.#	52	Physical
414	Curtiss, L. A.	52	Theoretical
414	DiSalvo, F. J.	52	Inorganic
414	Domcke, W.	52	Theoretical
414	Elguero, J.	52	Organic
414	Eschenmoser, A.	52	Organic
414	Folting, K.	52	Inorganic
414	Gomer, R.	52	Physical
414	Kennard, O.	52	Bio
414	Marletta, M. A.	52	Bio
414	Murrell, J. N.	52	Theoretical
414	Nitzan, A.	52	Theoretical
414	Pirkle, W. H.	52	Organic
414	Raithby, P. R.	52	Inorganic
414	Ramsay, D. A.	52	Physical
414	Simons, J.	52	Theoretical
414	Stubbe, J.	52	Bio
414	Tilley, T. D.	52	Inorganic
414	Waugh, J. S.	52	Physical
414	Wemmer, D. E.	52	Bio
436	Allara, D. L.	51	Analytical
436	Allcock, H. R.	51	Inorganic
436	Andersen, H. C.	51	Theoretical
436	Andersen, R. A.	51	Inorganic
436	Beak, P.	51	Physical
436	Beckwith, A. L. J.	51	Organic
436	Bennett, M. A.	51	Inorganic
436	Bradshaw, J. S.	51	Organic
436	Brinkman, U. A. T.	51	Analytical
436	Carrington, A.	51	Physical
436	Clary, D. C.	51	Theoretical
436	Corbett, J. D.	51	Inorganic
436	Cremer, D.	51	Theoretical
436	Drew, M. G. B.	51	Inorganic
436	Durig, J. R.	51	Physical

436	Fackler, J. P.	51	Inorganic
436	Fessenden, R. W.	51	Physical
436	Fyfe, C. A.	51	Physical
436	Hecht, S. M.	51	Organic
436	Jonas, J.	51	Physical
436	Jordan, K. D.	51	Theoretical
436	Knochel, P.	51	Organic
436	Kobayashi, H.	51	Organic
436	Light, J. C.	51	Theoretical
436	Metieu, H.	51	Theoretical
436	Moskovits, M.	51	Physical
436	Quack, M.	51	Physical
436	Rabelais, J. W.	51	Physical
436	Randic, M.	51	Theoretical
436	Rauchfuss, T. B.	51	Inorganic
436	Sanders, J. K.	51	Organic
436	Sawyer, D. T.	51	Analytical
436	Schmidt, R. R.	51	Bio
436	Scoles, G.	51	Physical
436	Semmelhack, M. F.	51	Organic
436	Shaik, S.	51	Theoretical
436	Steenken, S.	51	Physical
436	Thirumalai, D.	51	Theoretical
436	Vedejs, E.	51	Organic
476	Alder, B. J.	50	Theoretical
476	Battersby, A. R.	50	Organic
476	Baughman, R. H.	50	Physical
476	Cowley, A. H.	50	Inorganic
476	Epstein, I. R.	50	Physical
476	Feringa, B. L.	50	Organic
476	Fu, G. C.	50	Organic
476	Giese, B.	50	Organic
476	Grieco, P. A.	50	Organic
476	Harris, C. B.	50	Physical
476	Henderson, D.	50	Theoretical
476	Kaeszi, H. D.	50	Inorganic
476	Knobler, C. B.	50	Inorganic
476	Letsinger, R. L.	50	Organic
476	Levy, D. H.	50	Physical
476	Lorimer, G. H.	50	Bio
476	Maitlis, P. M.	50	Inorganic
476	Meunier, B.	50	Inorganic
476	Paddon-Row, M. N.	50	Organic

476	Seeman, N. C.	50	Bio
476	Skelton, B. W.	50	Inorganic
476	Vahrenkamp, H.	50	Inorganic
	Pileni, M. P.	48	Bio
	Rowland, F. S.#	47	Physical
	Shirakawa, H.#	45	Physical
	Dixneuf, P. H.	44	Bio
	Cornforth, J. W.#	43	Bio
	Karle, J.#	42	Physical
	Lauterbur, P.C.#	41	Bio
	Molina, M. J.#	37	Physical
	Fenn, J. B.#	33	Physical
	Hauptman, H. A.#	33	Physical
	Chauvin, Y.#	26	Organic
	Mullis, K. B.#	13	Bio

#Nobel Laureate